

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-022876**Date Inspected:** 04-Apr-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 1500**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 300**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** ShangHai, China**CWI Name:** Sha Zhi**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG**Summary of Items Observed:**

Summary of Items Observed: On this date Caltrans OSM Quality Assurance(QA) Inspector, DJ Shin was present during the times noted above for observations relative to the work being performed.

Bay 11

This QA Inspector observed the following work in progress for Bay 11.

ZPMC was using the Shield Metal Arc Welding (SMAW) process.

ZPMC QC is identified as Wang Chuang Xin.

Welding variables recorded by QC appeared to comply with the approved Welding Procedure Specification (WPS).

Listed below are the locations that were identified by this QA inspector

Components: Traveler rail

PCMK: 28TR1-002-003

Welder: 044541

WPS-B-P-2112

PCMK: 28TR1-002-009

Welder: 046769

WPS-B-P-2112

PCMK: 28TR1-002-013

Welder: 041713, 046704

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WPS-B-P-2112

This QA Inspector observed the following work in progress for Bay 11.

ZPMC was using the Flux Core Arc Welding (FCAW) process.

ZPMC QC is identified as Wang Chuang Xin.

Welding variables recorded by QC appeared to comply with the approved Welding Procedure Specifications (WPS). Listed below are the locations that were identified by this QA inspector.

PCMK: 3011TR1-001-015

Welder: 040736

WPS-B-T-2132-ESAB

Trial Assembly Yard

This QA Inspector observed the following work in progress for Trial Assembly Yard.

ZPMC was using the Flux Core Arc Welding (FCAW) process.

ZPMC QC is identified as Zhan Hai Feng.

Welding variables recorded by QC appeared to comply with the approved Welding Procedure Specifications (WPS). Listed below are the locations that were identified by this QA inspector.

Components: 13AW

PCMK: SEG3013B-269

Welder: 048696

WPS-B-T-2233-ESAB

PCMK: SEG3013D-234

Welder: 066361

WPS-B-T-2233-ESAB

This QA Inspector observed the following work in progress for Trial Assembly Yard.

ZPMC was using the Shield Metal Arc Welding (SMAW) process.

ZPMC QC is identified as Zhan Hai Feng.

Welding variables recorded by QC appeared to comply with the approved Welding Procedure Specification (WPS). Listed below are the locations that were identified by this QA inspector

Components: 13AW

PCMK: SEG3013-012

Welder: 067609

WPS-B-P-2214-B-U2-FCM-1

PCMK: SEG3013H-058

Welder: 066443

Report: B-WR20577

WPS-345-SMAW-3G (3F)-FCM-Repair-1

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PCMK: SEG3013K-167

Welder: 047864

Report: B-WR20577

WPS-345-SMAW-3G (3F)-FCM-Repair-1

PCMK: SEG3013F-096

Welder: 047864

Report: B-WR20577

WPS-345-SMAW-4G (4F)-FCM-Repair-1

Components: 13AE

PCMK: SEG3007AD-026

Welder: 068924

Report: B-WR20494

WPS-345-SMAW-3G (3F)-FCM-Repair-1

PCMK: SEG3007N-118

Welder: 068924

Report: B-WR20381

WPS-345-SMAW-3G (3F)-FCM-Repair-1

PCMK: SEG3007L-012

Welder: 068924

Report: B-WR2840

WPS-345-SMAW-3G (3F)-FCM-Repair-1

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.



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Summary of Conversations:

No relevant conversations

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang 15000422372, who represents the Office of Structural Materials for your project.

Inspected By:	Shin,DJ	Quality Assurance Inspector
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Reviewed By:	Riley,Ken	QA Reviewer
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